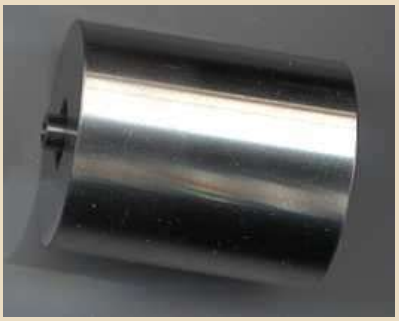
Houston Metal Testing Equipment

TestResources, Inc. is lead by experienced engineers, focused on helping customers solve their mechanical testing problems for almost 20 years.

We value the delivery of responsive, affordable, and effective solutions that overcome the challenges of static and fatigue testing applications. As test engineers that develop and produce a wide range of test systems and accessories, we solve challenges ranging from highly technical down to the basics.

Luer Gauges

ISO 594-2 F7 Luer Gage



This gage is a male reference conical fitting for testing female Luer lock fittings for leakage, ease of assembly, unscrewing torque and stress cracking. LGISO594-2F& Luer Gage is made to test in accordance with ISO 594-2 Fig. 7. All TestResources gages come with certification that gage dimensions are in compliance with international standards.

ISO 594-2 F5 Luer Gage

Female reference conical fitting for testing male Luer lock fittings for leakage, ease of assembly, unscrewing torque and stress cracking. LGISO594-2F5 Luer Gauge is certified to test in accordance with ISO-594-2 Fig. 5.

ISO 594-1 F5 Luer Gage

Product Information

Model # LGISO594-1F5

Features & Benefits

Male reference conical fitting
Made Per ISO-594-1 Fig. 5
Includes certification

Houston Bend Test Machine

TestResources bend test machines, or bending testers, help determine the bend strength and flexural bend materials properties of materials and components for engineering applications. These machines are optimized for bending testing applications. Static bend testing systems are specially configured universal test machines. Dynamic bend tests are performed with electrodynamic and servo hydraulic fatigue test machines.

420 Series Guided Bend & Tensile Test Hydraulic Fixtures

Simple cost effective solution to test welds in bending and tensile modes.

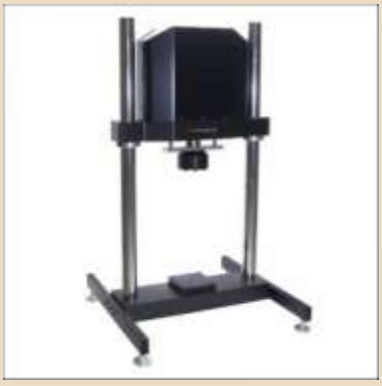
Features & Benefits

- Three models - 15, 25 and 50 Ton force ratings
- Optional choice of materials to meet codes
- Optional Electric Pump
- For use in the field or in the shop
- For both Guided Bend and Tensile

Fatigue Test Machines

TestResources offers an extensive range of integrated static, dynamic and fatigue testing machines, or fatigue testers, rated from 1000 N (220 lb) up to 1000 kN (220 kip). Incorporating servohydraulic, servo-electric and electrodynamic technologies, these test machines are specially configured to cover a wide range of fatigue, dynamic, and static testing applications. Metals testing applications include high-cycle fatigue, low-cycle fatigue, thermo-mechanical fatigue, fracture mechanics, fatigue crack growth, fracture toughness, bi-axial, axial-torsional, multi-axial, high strain rate, quasi-static, creep, stress-relaxation, and other types of dynamic and static tests. In addition a multitude of medical implants must be fatigue tested.

800 Family Electrodynamic Fatigue Test Machine - 6 kN (1350 lb)

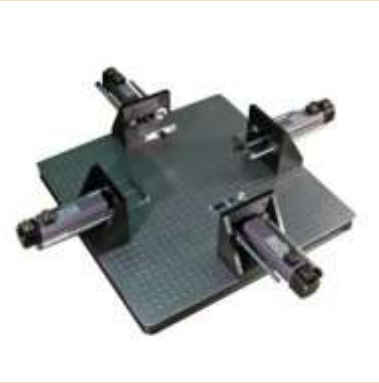


800L test systems are for static, fatigue and dynamic tests and feature an all electric dynamic actuator with power pack, dual column load frame, load cell, 24 bit resolution controller and test software. Each system is configured to test force, speed and stroke requirements. E Series actuators are capable of relatively high static force combined with long fatigue life. M Series actuators feature higher acceleration and higher frequency operation. Both actuator families offer broad capabilities at affordable prices.

Planar Biaxial Test Machine

TestResources planar biaxial test machines apply stress to a flat specimen that is most commonly pulled in tension in two directions perpendicular to one another. Planar biaxial configurations vary with different speed and load combinations. Electromechanical static actuators are most affordable but limited to relatively low load and low speed rating. Electrodynamic actuators and servo hydraulic systems deliver higher forces and speeds. Each of these machines features four actuators applying their load to the sample along primary axes.

174 Family Planar Biaxial Electromechanical Test Machine



174L Family Planar Biaxial test systems provide researchers new capabilities to characterize and evaluate static and dynamic performance of biological samples and viscoelastic soft materials. The system features high precision load and strain control on two synchronized axes to create controlled complex biaxial stress and strain test states. The system may be programmed for tensile and tension-tension fatigue tests on flat test samples. Users may perform materials characterization and other mechanical tests of materials subject to biaxial states of stress. The 2360 controller controls the four actuators that can move with equal (or different) forces in opposite directions on two axis perpendicular to each other.

974 Series Planar Biaxial Servo Hydraulic Fatigue Test Machine

974 Series servo hydraulic planar biaxial test systems enable static, dynamic, and fatigue tests on square, rectangular and cruciform test samples. 975 series systems are used for metal and composite fatigue and fracture and configured for higher forces and test speeds compared to the electrodynamics 574 series. Machines can be made to force requirements and operate at test frequencies to 50 Hz.

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Customers value our smart machine design with the delivery of tailored and responsive solutions for static and fatigue testing applications. As test engineers that develop and produce a wide range of systems and accessories, we solve challenges ranging from highly technical down to the basics.

For More Information Please Visit http://www.testresources.net